

## IN THE CLAIMS

Please amend the claims as follows:

1. (currently amended) A computer system, comprising:

~~a system;~~

an AC power supply operatively connected to said computer system for supplying power to said computer system ~~with power~~;

a battery operatively connected to said computer system ~~and which is charged with power from said AC power supply and then discharged to~~ for supplying power to said computer system when necessary; and

a circuit operatively connected to said battery and said AC power supply, wherein ~~said circuit turns and which is capable of turning~~ off a charging function to said battery while said battery is still connected to said AC power supply ~~with~~ during said computer system being powered off.

2. (currently amended) The computer system according to Claim 1, wherein ~~when said system is powered off during charging to said battery~~, said circuit turns off ~~the~~ said charging function to ~~the~~ said battery after ~~the~~ charging is has been completed during said computer system being powered off.

3. (currently amended) The computer system according to Claim 1, wherein said circuit ~~can~~ turns on said charging function to said battery if said AC power supply has ~~shifted~~ changed from not being connected to being connected ~~with~~ to said computer system during said computer system being powered off.

4. (currently amended) The computer system according to Claim 1, wherein said circuit turns on said charging function when a battery ~~that has previously not been~~ connected is connected ~~with to~~ said computer system during said computer system being powered off.

5. (currently amended) The computer system according to Claim 1, wherein said circuit turns on said charging function to a battery after a predetermined time period has ~~passed with~~ lapsed since said charging function to ~~the~~ said battery was turned off.

6. (currently amended) The computer system according to Claim 1, wherein said computer system further comprising includes a regulator operatively connected to said circuit for supplying a small amount of power to said circuit.

7. (currently amended) The computer system according to Claim 1, wherein said computer system further comprising includes a user interface for a user to set said charging function ~~for~~ when ~~the~~ computer system is in a power-off state, ~~and~~ wherein said circuit turns off ~~the~~ said charging function to said battery based on information set in said user interface.

8-9. canceled.

10. (currently amended) A method for providing power management in a computer system, said method comprising:

determining whether or not a battery connected to a computer system is being charged ~~from by~~ an AC power supply ~~with~~ when said computer system has been powered off; and

in response to said battery connected to said computer system not being charged by said AC power supply, turning off the power to a charging circuit for charging the said battery even when the said battery is not being charged even if remains to be connected to said AC power supply is connected.

11. (currently amended) The A method according to Claim 10, wherein said method further comprising includes turning on the said charging circuit in response to elapse of after a predetermined time period has lapsed since said after the power supply to the charging circuit is was turned off.

12. (currently amended) The A method comprising: according to Claim 10, wherein said method further includes

~~turning off the power supply from an AC power supply to a battery charging circuit which charges a battery connected to a computer system with said system powered off; and~~

~~shifting the power supply of the turning said charging circuit from OFF to ON when the said AC power supply, is connected after not being connected, is connected to said computer system.~~

13. (currently amended) The A method comprising: according to Claim 10, wherein said method further includes

~~turning off the power supply from an AC power, supply to a battery charging circuit which charges a battery connected to a computer system with said system powered off; and~~

~~shifting the power supply of the turning said charging circuit from OFF to ON when a battery requiring to be charged is connected to the said computer system after said battery not being connected to said computer system.~~

14-15. canceled.

16. (currently amended) A computer readable medium having a computer program product for providing power management in a computer system, said computer readable medium comprising:

~~a computer readable medium:~~

~~computer readable instructions stored on said medium and effective when executing on a computer system to cause the system to:~~

computer program code for determining ~~determine~~ whether or not a battery connected to a computer system is being charged by an AC power supply when said computer with the system is powered off; and

computer program code for, in response to said battery connected to said computer system not being charged by said AC power supply, turning off the power to a charging circuit for charging said battery even when the said battery is not being charged even if an remains to be connected to said AC power supply is connected.

17. (currently amended) The computer readable medium ~~A program product~~ according to Claim 16, wherein said ~~instructions further cause the computer system to~~ computer readable medium further includes computer program code for turning on the a power supply for supplying power to the said charging circuit when the said AC power supply is connected to said computer system after not being connected to said computer system.

18. (currently amended) The computer readable medium ~~A program product~~ according to Claim 16, wherein said ~~instructions further cause the computer system to~~ computer readable medium further includes computer program code for turning on the a power supply for supplying power to the said charging circuit when a battery requiring to be charged is connected to said computer system after not being connected to said computer system.

19. (currently amended) The computer readable medium ~~A program product~~ according to Claim 16, wherein said ~~instructions further cause the computer system to~~ computer readable medium further includes computer program code for turning on the a power supply providing supplying power to the said charging circuit in response to elapse of after a predetermined time period ~~after the~~ has lapsed since said power supply is was turned off.